

INDUCTOR ASSEMBLY

Abstract of the Disclosure

An apparatus and process are provided for induction heat treatment of electrically
5 conductive workpieces. The inductor assembly is formed from a single piece inductor that
utilizes an electrically non-conductive top, side and bottom frames to hold flux concentrators
in place over the sides of the inductor. Flux concentrators can be changed by unfastening the
frame members, removing the existing flux concentrators, inserting new flux concentrators,
and fastening the frame members. One or more of the frame members may serve as a
10 receiving chamber for supply of a quench medium to an induction heated workpiece
positioned in an opening in the inductor.